

IN THE CLAIMS

Claims 1-9 (canceled)

Claim 10 (new): A coupling device (9) comprising a first connector part (10) and a second connector part (11), each connector part (11, 10) comprising at least one connecting portion (16a, 16b, 13, 14) for engagement with at least one corresponding connecting portion (16a, 16b, 13, 14) of the other connector part (11, 10), a disengagement means (12) being provided for at least assisting in disengaging the engagement between said connecting portions (13, 14, 16a, 16b) and each connector part (11, 10), the device comprising at least two connecting portions (13, 14, 16a, 16b), the disengagement means (12) being connected with the first connector part (10) and comprising engagement means for engagement with corresponding engagement means on the second connector part (11), the second connector part (11) comprising a disk (23) including a through-going hole (26, 27) in connection with each corresponding connecting portion (16a, 16b), the engagement means of said connector part being provided on said disk (23), the engagement means of the disengagement means (12) comprising internal threads (18) and the engagement means of the second connector part comprising external threads (21), and wherein the holes (26, 27) in the disk (23) of the second connector part (11) are arranged with a small spacing, and in which the external threads (21) comprise at least one recess (25).

Claim 11 (new): A coupling device (9) according to claim 10 wherein the external threads (21) of the engagement means of the second connector part (11) comprises two or more recesses (25).

Claim 12 (new): A coupling device (9) according to claim 10

wherein at least one of the through-going holes (26, 27) is extending into the recess (25).

Claim 13 (new): A coupling device (9) according to claim 10 in which the engagement means (18, 21) comprises a bayonet coupling including at least one track in the disengagement means (12) and at least one projection on the second connector part (11), said at least one track including at least one portion extending obliquely with respect to the axial direction of the disengagement means.

Claim 14 (new): A coupling device (9) according to claim 10, in which at least some of said connecting portions (16a, 16b, 13, 14) have such an axial extension that the first and the second connector parts (11, 10) are brought into connection with each other before activation of the disengagement means (12).

Claim 15 (new): A coupling device (9) according to claim 10, in which said disengagement means (12) comprises handle means (22).

Claim 16 (new): A coupling device (9) according to claim 10, in which the first connector part (10) comprises two male luer lock connecting portions (13, 14) and the second connector part comprises two female luer lock connecting portions (16a, 16b).

Claim 17 (new): A probe (3) for an irrigation system, comprising a first connector part (10) or a second connector part (11) of a coupling device (9) according to claim 10.

Claim 18 (new): A method of disengaging the engagement between a first and a second connector part (10, 11) of a coupling device (9) according to claim 10, wherein said disengagement means (12) is activated in such a way that the first and the second connector parts are substantially pulled out of each other.